Building Digital Information Curation Curriculum

The iCAMP project is a three-year, curriculum development effort to meet the need for adequately trained professionals to fill digital curation and data management roles. Funded by a grant from the Institute for Museum and Library Services, the project builds on established curriculum development and professional training initiatives in the field of digital curation.

A four course, competency-based curriculum and a technology-rich learning environment will be developed and implemented. Research and analysis has been done to identify needs in the field of digital curation. This analysis has led to the development of a preliminary set of digital curation competency groups. The curriculum aims to lead students in the development of the competencies required for performing digital curation and data management activities. A Curriculum Development Framework will be used to guide and document curriculum design choices and articulate how students will acquire competencies.

The learning environment will offer a space for student engagement, with support from instructors and expert library professionals. The learning environment consists of three tiers. In the Learning Management System (Blackboard Learn), students are provided clear expectations and interactive online activities to support those expectations. In the Virtual Lab, built on an open source platform of Drupal, Fedora Commons, and Islandora, students can engage in extensive hands-on experiences and real-world problem-solving. The Digital Curation and Data Management Sandbox contains typical tools for use in digital curation as well as computational resources and storage. Students will have a chance to interact with digital content using real-world applications and systems. UNT Libraries will support this third tier by employing locally hosted servers, tools, applications, data, etc.

An iterative development process guides the creation of the four course curriculum and learning environment. Development, Implementation, Assessment, and Revision will be carried out according to the schedule below.

### Iterative Development Process:

**for Design and Implementation of the Curriculum and Learning Environment**

- **Research and Analysis:** Needs Assessment, Competency Identification, Curriculum Review, and Literature Review
- **Phase 1:** Design and Development
- **Phase 2:** Implementation

**Development Schedule**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiation and Completion</td>
<td>Research &amp; Analysis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Evaluation</td>
</tr>
<tr>
<td>Learning Environment</td>
<td>PHASE 1</td>
<td>PHASE 2</td>
<td>PHASE 3</td>
<td>PHASE 4</td>
<td>PHASE 5</td>
<td></td>
</tr>
<tr>
<td>Course 1 and 2</td>
<td>PHASE 1</td>
<td>PHASE 2</td>
<td>PHASE 3</td>
<td>PHASE 4</td>
<td>PHASE 5</td>
<td></td>
</tr>
<tr>
<td>Course 3 and 4</td>
<td>PHASE 1</td>
<td>PHASE 2</td>
<td>PHASE 3</td>
<td>PHASE 4</td>
<td>PHASE 5</td>
<td></td>
</tr>
</tbody>
</table>

**Outcomes**

Information professionals equipped with the knowledge, skills and abilities to perform the functions of Digital Curation and Data Management.

Acknowledgements

The iCAMP project is supported by a generous grant from the U.S. Federal Institute of Museum and Library Services, Librarians for the 21st Century Program, RE-05-11-0073-11, with additional support from the College of Information and UNT Libraries, University of North Texas.


Presented at the 2012 iConference Conference, Toronto, Canada